

## **Mapping (GIS) Tools for Completing the VSMP Registration Statement**

### **DEQ Assessment Database and Impaired Waters GIS Application**

Go to: [http://www.deq.virginia.gov/mapper\\_ext/default.aspx?service=publicMaps/ADB\\_Any\\_Use\\_2010](http://www.deq.virginia.gov/mapper_ext/default.aspx?service=publicMaps/ADB_Any_Use_2010)

Click the green link to access the application: **Assessment Database GIS Application**

You will see a blank screen at first. You must add the data sets (maps) to the view before you can begin.

#### **To add the maps to the view window**

In the left pane, click **View Additional Maps**

Click **+** beside **northerly** to expand the map sets

Click **2010\_ADB\_Any\_Use** the first map set

In the right pane, click the green **+** to "load this service in the main map"

#### **To locate the project information by Address**

Type in address (Street number, street name, city) into **Address Search** at the top of the screen

Click **Address Search**

#### **To locate the project information by Geographic Reference**

Click **Tools**

Select **Zoom to XY**

Select Desired Layer of **Geographic Reference Type**

Enter location

#### **To obtain the Latitude / Longitude of your project**

Place cursor over site location

The latitude / longitude (Deg Min Sec) will be displayed in the lower right corner

#### **To obtain information on the receiving waters**

Place cursor over location

Decrease scale (zoom out) until the receiving water is named on map (you may need to click on the water body to display the name and information)

If you are unsure of direction of flow, change **base map** to **topo map** to determine direction

To change map layer type, hold mouse over **base map** to show drop down box of different map layers.

#### **To obtain information on any impaired waters**

If receiving water is red in color, receiving water is impaired

Click on the receiving water to display impairment information

#### **To obtain the hydrologic unit code (HUC)**

In the left pane scroll down and check the box beside **6<sup>th</sup> Order NWBD HUC (2008)**

If it is greyed out, zoom out until it appears on your map

Click on site location

The HUC is displayed beside **VAHU6**

The HUC is four digits-2 letters followed by 2 numbers (e.g. JL30)

### **Total Maximum Daily Load Information (TMDL)**

Go to <http://www.deq.state.va.us/tmdl/develop.html>

Click **Approved Reports**

Search by appropriate option

Determine applicability of TMDL to VSMP construction activity by reviewing TMDL.

### **MS4 Information**

Go to [http://www.dcr.virginia.gov/soil\\_and\\_water/documents/vams4s.pdf](http://www.dcr.virginia.gov/soil_and_water/documents/vams4s.pdf)

Contact the MS4 Operator and ask if the project discharges to the MS4